

Ser. No.:10/516,859
Amdt. dated August 14, 2008
Reply to Office Action of May 29, 2008

PATENT
PU020269
Customer No. 24498

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Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) Apparatus comprising:

- a receiver for receiving an audio file signal;
- a decoder for demodulating said audio file signal; and

a processor configured to poll said decoder for a loss of a phase lock loop in said demodulating of said audio file signal to detect audio file signal loss between the receiver and a transmitter, wherein the processor is further configured to, in response to said loss in said phase lock loop, automatically reset and reinitialize said decoder throughout a period of signal transmission idleness at a transmitter source until a transmission signal is received and a phase lock loop is established.

2. (previously presented) The apparatus of claim 1, wherein said processor resets and reinitializes said decoder in response to said loss in said phase lock loop such that seamless playing of audio files is maintained.

3. (original) The apparatus of claim 1, wherein said receiver comprises 900 MHz radio frequency reception circuitry.

4. (previously presented) The apparatus of claim 1, wherein said decoder comprises an eight-to-fourteen modulation EFM decoder.

5. (original) The apparatus of claim 1, wherein said decoder outputs a digital audio stream.

6. (original) The apparatus of claim 5, wherein said digital audio stream conforms to an I2S audio stream.

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7. (currently amended) A computer readable medium having software instructions recorded thereon, wherein the software instructions, when executed by a processor, perform the steps of:

receiving a modulated audio file signal;

demodulating said modulated audio file signal;

polling said demodulating for a loss in a phase lock loop in said demodulating to detect audio file signal loss between a receiver and a transmitter; and

automatically resetting and reinitializing said demodulating in response to said loss in said phase lock loop throughout a period of signal transmission idleness at a transmitter source until a transmission signal is received and a phase lock loop is established such that seamless playing of audio files is maintained.

8. (original) The computer readable medium according to claim 7, wherein said demodulating is a digital eight-to-fourteen modulation digital decoding.

9. (original) The computer readable medium according to claim 7, wherein said receiving is synchronized to a 900 MHz range carrier frequency modulated by said audio file signal.

10. (original) The computer readable medium according to claim 7, wherein said demodulating outputs a digital audio stream.

11. (original) The computer readable medium according to claim 7, wherein said polling is carried out by a processor.

12. (currently amended) A method for detecting a signal loss in a wireless audio file signal transmission, said method comprising the steps of:

receiving an audio file signal;

decoding said audio file signal; and

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polling said decoding for a loss of a phase lock loop in said decoding of said audio file signal to detect audio file signal loss between a receiver and a transmitter; and automatically resetting and reinitializing said decoding in response to said loss in said phase lock loop throughout a period of signal transmission idleness at a transmitter source until a transmission signal is received and a phase lock loop is established.

13. (previously presented) The method of claim 12, further comprising the step of resetting and reinitializing said decoding in response to said loss in said phase lock loop in said decoding such that seamless playing of audio files is maintained.

14. (original) The method of claim 12, wherein said step of receiving comprises 900 MHz range carrier frequency synchronizing.

15. (original) The method of claim 12, wherein said step of decoding comprises an eight-to-fourteen bit modulation EFM decoding.

16. (original) The method of claim 12, wherein said step of decoding outputs a digital audio stream.

17. (original) The method of claim 16, wherein said digital audio stream conforms to an US audio stream.